

Amendments to the Specification

Please replace the paragraph on page 2, lines 1 and 2, with the following rewritten paragraph:

For example, JP-A-10-81173 discloses the ~~formed~~former system, whereas JP-A-6-344827 discloses the latter system.

Please replace the paragraph on page 10, lines 6 and 7, with the following rewritten paragraph:

Fig. 13 is a diagram of an example of arranging ~~aeonventional~~a conventional on-vehicle image pick-up apparatus in a vehicle.

Please replace the paragraph on page 13, lines 12-14, with the following rewritten paragraph:

Fig. 5 is a side view of the construction of the principal part of an on-vehicle image pick-up apparatus 41 as a modified example of the on-vehicle image pick-up apparatus 31; and ~~Fig. 2~~Fig. 6, a plan view of the construction of Fig. 5.

Please replace the paragraphs on page 15, line 14 through page 16, line 3, with the following rewritten paragraphs:

As shown in Fig. 9, the image pick-up unit 103 includes a rectangular case body 110 extending along the longitudinal direction of the automobile 101, a pair of lateral transmission windows 111 and 112 of transparent glass fitted to the rectangular opening formed and positioned on both the respective front side openings of the case body 110, a CCD camera 113 as a single image pick-up portion disposed in the case body 110, and a prism body 114 for guiding light onto the image pick-up surface of the CCD camera ~~121~~113 by reflecting the light introduced through the transmission windows 111 and 112.

At this time, light entering from the left transmission window 111 is passed through one side 114a of the prism body 114 and reflected from the other side 114b thereof before

being guided to the right half of the image ~~pick-up~~pick-up surface of the CCD camera ~~111~~113, whereas light entering from the right transmission window 112 is passed through the other side 114b of the prism body 114 and reflected from the one side 114a thereof before being guided to the left half of the image pick-up surface of the CCD camera 113, so that both the left and right scenes in the respective left and right visual fields are simultaneously picked up thereby.

Please replace the paragraph on page 17, lines 16-19, with the following rewritten paragraph:

Since the image pick-up unit ~~103-103~~, excluding ~~it-its~~ front end ~~portion-portion~~, is provided so that it may be housed between the fin portions 102a, the image pick-up unit 103 never becomes conspicuous from the outside, thus preventing the automotive design from being deteriorated.

Please replace the paragraph on page 20, lines 14-23, with the following rewritten paragraph:

With the apparatus for watching around a vehicle thus arranged, a transparent hydrophilic film 208 is formed on the outer surface of each image pick-up transmission window 204 in the image pick-up apparatus 201 in order to obtain less-disturbed images from surroundings of the vehicle at the time of rain fall, vehicle body washing and the like. The hydrophilic film 208 is a film having a contact angle of ~~220-20~~ degrees or smaller, preferably ~~210-10~~ degrees or smaller with water, the film 208 being a titanium photo-catalytic film provided with hydrophilic nature through the photo-catalytic action, for example. In case where rain drops, washing water drops and like stick to the outer surface of such a transmission window because of ~~rain-rain~~ fall, vehicle body washing and like, the water drops uniformly spread on the surface of the hydrophilic film 208 to form a thin water film.

Please replace the paragraph on page 21, line 18 through page 22, line 3, with the following rewritten paragraph:

Although the description has been given of the example applied to the apparatus for watching around a vehicle wherein the image pick-up apparatus 201 is designed to pick up images on both left and right sides of the surroundings of a vehicle and to display the images on the display unit 210 within the vehicle according to the third embodiment of the invention, the invention is not limited to such an embodiment. For example, the images obtained from the image pick-up apparatus 201 are subjected to a predetermined imaging process to detect any automobile or the like approaching an intersection from the left or right side whereby to warn the driver in the other vehicle using a buzzer or a voice, or to warn, with warning unit 212, the other approaching vehicle using a radio wave, light, an ultrasonic wave or the like. Otherwise, a radio wave, light, an ultrasonic wave may be used to give notice to a predetermined display unit installed on the road side using an ultrasonic wave or the like.